

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A process for removal of SO₂ in off-gases having a temperature of 30-150° C and containing 0.001-1 vol % SO₂ in which the [[SO²]] SO₂ is oxidised to H₂SO₄ without the use of an absorption tower by spraying an aqueous solution of H₂O₂ into the off-gas upstream of an aerosol filter removing the produced sulphuric acid from the off-gas.
2. (Original) A process as in claim 1, in which the off-gas is cooled by evaporation of the water comprised in the solution being sprayed into the off-gas upstream of the filter.
3. (Currently amended) A process as in claim 1, in which a wet electrostatic separator [[us]] is used in place of an aerosol filter.
4. (New) A process according to claim 1 or 2, wherein the off-gas has a temperature of 50-120° C and contains 100-1000 ppm SO₂.